

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A set for measuring the linear strain of materials, comprising:

at least two measuring elements, which are fitted with measuring blades with having respective parallel axes of the measuring blades, and which are attachable to the measured material for measuring a linear strain of the measured material;; and

a portable reading device with the having an impression surface made of a material with dimensional stability and strength lower than the strength of at least one the material of the measuring elements and/or and the portable measuring device, featuring wherein:

the measuring blades being are fitted with fixtures in the center a central region, and the measuring elements being are fitted with necks and a tapered end at the a bottom portion thereof; and

the measuring elements are attached to the surface of the measured material using a resin-based adhesive.

2. (Currently Amended) A measuring set according to claim 1, featuring wherein:

the measuring elements being are kept in a transport preparation, comprising which comprises a plotting board with holes for accomodating the measuring

elements, following the precision setting of parallelism of the axes of the measuring blades; and

the joint between the measuring elements and the transport preparation has a lower strength than the joint between the measuring elements and the measured material.

3. (Currently Amended) A measuring set according to claim 1, featuring wherein the measuring elements being are placed in the shape of a rosette on the measured material.

4. (Currently Amended) A measuring set according to claim 1, featuring wherein the measuring elements are provided with an adapter for the alignment of the reading device with the measuring elements at the measured material.

5. (Currently Amended) A measuring set according to claim 1, featuring wherein the transport preparation comprising comprises a plotting board, the whose ends of which are bent upward.

6. (Currently Amended) A measuring set according to claim 1, featuring wherein the transport preparation being is in the shape of a bail, and is fitted with surfaces for the ends of the measuring elements at its ends, and a portable reading device comprising a similar bail with an impression surface, is placed at its the ends of the similar bail.

7. (Currently Amended) A measuring set according to claim 1, featuring further comprising a device for the remote transmission of the measured data to the reading device.

8. (New) A measuring set according to claim 1, wherein the measuring blades are configured to measure a linear stress of the measured material based on an impression of the location of the measuring blades impressed into impression surface of the portable reading device.